

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 01-291255 (71)Applicant : CASIO COMPUT CO LTD

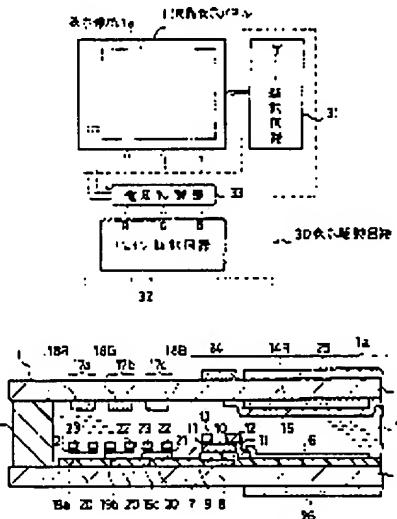
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(54) LIQUID CRYSTAL DISPLAY DEVICE

(57)Abstract:

PURPOSE: To display a full-color image with good color balance at all times by providing color sensors for red, green, and blue outside the display area of a liquid crystal display panel and providing a voltage control part which adjusts the voltages of display driving signals for red, green, and blue to a display driving circuit which drives the liquid crystal display panel.

CONSTITUTION: The color sensors 17a - 17c for red, green, and blue are provided outside the display area 1a of the liquid crystal display panel 1 and the display driving circuit 30 which drives the liquid crystal display panel 1 is provided with the voltage control part 33 which adjusts the voltages of the display driving signals for red, green, and blue. Then the color sensors 17a - 17c detect how much color components of red, green, and blue of light from a light source lamp are intense to adjust the voltages of the display driving signals for red, green, and blue which are applied to the liquid crystal display lamp 1 from the display driving circuit 30 according to the light intensity values of the respective color components detected by the color sensors 17a - 17c, i. e. the spectral distribution characteristics of the light from the light source lamp. Consequently, even if the spectral characteristics of the light source lamp vary, the full-color image with good color balance is obtained at all times.



LEGAL STATUS

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